Refine Search

Your wildcard search against 10000 terms has yielded the results below.

Your result set for the last L# is incomplete.

The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

Search Results -

Terms	Documents
L45 and (((hold near2 back$) or constrain$ or confin$ or restrain$) with (vehicle or automobile or car or flight or airplane))	0

Database: US Pre-Grant Publication Full-Text Database; US Patents Full-Text Database; US OCR Full-Text Database; EPO Abstracts Database; JPO Abstracts Database; Derwent World Patents Index; IBM Technical Disclosure Bulletins

Search: L46

Refine Search | Recall Text | Clear | Interrupt

Search History

DATE: Friday, September 15, 2006 Purge Queries | Printable Copy | Create Case

Set Name side by side	Query	Hit Count	Set Name result set
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR		
L46	L45 and (((hold near2 back$) or constrain$ or confin$ or restrain$) with (vehicle or automobile or car or flight or airplane))	0	L46
L45	l42 or l43 or l44 or l35	66	L45
	DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR		
L44	(3569819 | 3780343 | 3859624 | 3539900 | 3641421 | 4025791 | 4017780 | 4317068 | 4457285 | 4868730 | 3949397 | 5049786 | 3299424 | 3852656 | 3718853 | 3906919 | 4589398 | 3911433 | 3671963 | 3182930 | 3104478 | 4046961 | 3753071)![PN]	23	L44
L43	("4121102"| "5207208"| "3919620")[PN]	3	L43

L42	("4121102"| "5207208"| "3919620")[URPN]	39	L42
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR		
L41	L40 and (fir$ with puls$).clm.	3	L41
L40	L39 and fet$	17	L40
L39	l37 or L38	225	L39
L38	L36 and @pd<=20021126	217	L38
L37	L36 and @ad<=20021126	107	L37
L36	switch$ and (capacit$ with fir$) and (vehicle or automobile or car or flight or airplane) and (fir$ near2 circuit$)	230	L36
L35	L33	1	L35
	DB=PGPB; THES=ASSIGNEE; PLUR=YES; OP=OR		
L34	("20020121810")[URPN]	0	L34
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR		
L33	L32	1	L33
	DB=PGPB; THES=ASSIGNEE; PLUR=YES; OP=OR		
L32	20020121810	1	L32
L31	("20020121810")[PN]	1	L31
L30	("20020121810")[PN]	1	L30
L29	("20020121810"| "20020121810")[URPN]	0	L29
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR		
L28	L26 and (fir$ near2 circuit)	1	L28
L27	L26 and L17	0	L27
L26	L23 or L16 or L14 or L12 or L13 or L19 or L20 or L7	10	L26
L25	L8 and @ad<=20021126	0	L25
L24	L8 and @pd<=20021126	0	L24
	DB=PGPB; THES=ASSIGNEE; PLUR=YES; OP=OR		
L23	L9 and capacit$	1	L23
	DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR		
L22	L20 and fet$	1	L22
L21	L20 and fet$	1	L21
L20	5261694.pn.	1	L20
L19	US-5666065-A.did.	1	L19
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR		
L18	L17 and FET$	7	L18
L17	restraint$ and (vehicle or automobile or car or flight or airplane) and (fir$ near2 circuit)	46	L17
	DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR		
L16	5430314.pn.	1	L16

DB=PGPB; THES=ASSIGNEE; PLUR=YES; OP=OR

L15	L9 and restraint$	1	L15
L14	20020121810	1	L14

DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR

L13	20020121810	0	L13
L12	6878996.pn.	1	L12

DB=PGPB; THES=ASSIGNEE; PLUR=YES; OP=OR

L11	L9 and 11	1	L11
L10	L9 and supply$	1	L10
L9	20040108698	1	L9

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR

L8	L7 and (vehicle or automobile or car or flight or airplane)	0	L8
L7	L6 and @ad<=20021126	4	L7
L6	L4 or L5	10	L6
L5	"reverse diode" and "N-channel FET"	6	L5
L4	"reverse diode" and "N-type FET"	4	L4

DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR

L3	6142130.pn.	1	L3
L2	4838457.pn.	1	L2
L1	4838457	35	L1

END OF SEARCH HISTORY

Hit List

First Hit Your wildcard search against 10000 terms has yielded the results below.

Your result set for the last L# is incomplete.

The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Search Results - Record(s) 1 through 3 of 3 returned.

☐ 1. Document ID: US 5207208 A

L41: Entry 1 of 3 File: USPT May 4, 1993

US-PAT-NO: 5207208
DOCUMENT-IDENTIFIER: US 5207208 A

TITLE: Integrated converter high power CD ignition

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWMC | Draw De

☐ 2. Document ID: US 4121102 A

L41: Entry 2 of 3 File: USPT Oct 17, 1978

US-PAT-NO: 4121102
DOCUMENT-IDENTIFIER: US 4121102 A

TITLE: Object identification system

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWMC | Draw De

☐ 3. Document ID: US 3919620 A

L41: Entry 3 of 3 File: USPT Nov 11, 1975

US-PAT-NO: 3919620
DOCUMENT-IDENTIFIER: US 3919620 A
** See image for Certificate of Correction **

TITLE: Inverter adaptive lock-out technique

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWMC | Draw De

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Hit List

First Hit Your wildcard search against 10000 terms has yielded the results below.

Your result set for the last L# is incomplete.

The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Search Results - Record(s) 1 through 10 of 17 returned.

☐ 1. Document ID: US 6584965 B1

L40: Entry 1 of 17 File: USPT Jul 1, 2003

US-PAT-NO: 6584965
DOCUMENT-IDENTIFIER: US 6584965 B1

TITLE: High efficiency high energy firing rate CD ignition

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWMC | Draw De

☐ 2. Document ID: US 6523149 B1

L40: Entry 2 of 17 File: USPT Feb 18, 2003

US-PAT-NO: 6523149
DOCUMENT-IDENTIFIER: US 6523149 B1
** See image for Certificate of Correction **

TITLE: Method and system to improve noise analysis performance of electrical circuits

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWMC | Draw De

☐ 3. Document ID: US 5734317 A

L40: Entry 3 of 17 File: USPT Mar 31, 1998

US-PAT-NO: 5734317
DOCUMENT-IDENTIFIER: US 5734317 A

TITLE: Current limit controller for an air bag deployment system

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWMC | Draw De

☐ 4. Document ID: US 5207208 A

L40: Entry 4 of 17 File: USPT May 4, 1993

US-PAT-NO: 5207208
DOCUMENT-IDENTIFIER: US 5207208 A

TITLE: Integrated converter high power CD ignition

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWMC | Draw De

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☐ 5. Document ID: US 5206455 A

L40: Entry 5 of 17 File: USPT Apr 27, 1993

US-PAT-NO: 5206455
DOCUMENT-IDENTIFIER: US 5206455 A

TITLE: Laser initiated ordnance systems

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWMC | Draw De

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☐ 6. Document ID: US 5191499 A

L40: Entry 6 of 17 File: USPT Mar 2, 1993

US-PAT-NO: 5191499
DOCUMENT-IDENTIFIER: US 5191499 A

TITLE: Method and apparatus for current interruption in electrically-powered apparatus and equipment

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWMC | Draw De

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☐ 7. Document ID: US 4990884 A

L40: Entry 7 of 17 File: USPT Feb 5, 1991

US-PAT-NO: 4990884
DOCUMENT-IDENTIFIER: US 4990884 A

TITLE: Method and apparatus for testing an airbag restraint system

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWMC | Draw De

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☐ 8. Document ID: US 4835513 A

L40: Entry 8 of 17 File: USPT May 30, 1989

US-PAT-NO: 4835513
DOCUMENT-IDENTIFIER: US 4835513 A

** See image for Certificate of Correction **

TITLE: Method and apparatus for testing an airbag restraint system

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw De

☐ 9. Document ID: US 4623824 A

L40: Entry 9 of 17 File: USPT Nov 18, 1986

US-PAT-NO: 4623824
DOCUMENT-IDENTIFIER: US 4623824 A

TITLE: Controlled high voltage generator

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw De

☐ 10. Document ID: US 4613847 A

L40: Entry 10 of 17 File: USPT Sep 23, 1986

US-PAT-NO: 4613847
DOCUMENT-IDENTIFIER: US 4613847 A

TITLE: Emergency signal

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw De

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Terms	Documents
L39 and fet$	17

Display Format: - Change Format

Previous Page Next Page Go to Doc#

Hit List

First Hit

Your wildcard search against 10000 terms has yielded the results below.

Your result set for the last L# is incomplete.

The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Search Results - Record(s) 11 through 17 of 17 returned.

☐ 11. Document ID: US 4586715 A

L40: Entry 11 of 17 File: USPT May 6, 1986

US-PAT-NO: 4586715
DOCUMENT-IDENTIFIER: US 4586715 A

TITLE: Toy laser pistol

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

☐ 12. Document ID: US 4207468 A

L40: Entry 12 of 17 File: USPT Jun 10, 1980

US-PAT-NO: 4207468
DOCUMENT-IDENTIFIER: US 4207468 A

TITLE: Object identification system

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

☐ 13. Document ID: US 4121102 A

L40: Entry 13 of 17 File: USPT Oct 17, 1978

US-PAT-NO: 4121102
DOCUMENT-IDENTIFIER: US 4121102 A

TITLE: Object identification system

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWMC | Draw De

☐ 14. Document ID: US 3919620 A

L40: Entry 14 of 17 File: USPT Nov 11, 1975

US-PAT-NO: 3919620
DOCUMENT-IDENTIFIER: US 3919620 A
** See image for Certificate of Correction **

TITLE: Inverter adaptive lock-out technique

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 15. Document ID: US 3102166 A

L40: Entry 15 of 17 File: USOC Aug 27, 1963

US-PAT-NO: 3102166
DOCUMENT-IDENTIFIER: US 3102166 A

TITLE: Toll ticketing telephone system

DATE-ISSUED: August 27, 1963

INVENTOR-NAME: BERCH WILLIAM H; CLEMENT MILTON A ; KAYE ROBERT K ; WILLIAM NEWITT JOHN

US-CL-CURRENT: 379/111, 379/124

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 16. Document ID: US 2830125 A

L40: Entry 16 of 17 File: USOC Apr 8, 1958

US-PAT-NO: 2830125
DOCUMENT-IDENTIFIER: US 2830125 A

TITLE: Electronic switching system

DATE-ISSUED: April 8, 1958

INVENTOR-NAME: GEORGE ELLIOTT

US-CL-CURRENT: 370/357

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 17. Document ID: US 2830122 A

L40: Entry 17 of 17 File: USOC Apr 8, 1958

US-PAT-NO: 2830122
DOCUMENT-IDENTIFIER: US 2830122 A

TITLE: Electronic telephone system

DATE-ISSUED: April 8, 1958

INVENTOR-NAME: TROUSDALE ROBERT B

US-CL-CURRENT: 370/359; 370/384, 379/290, 379/293

Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWIC | Draw De

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Terms	Documents
L39 and fet$	17

Display Format: - Change Format

Previous Page Next Page Go to Doc#

Advanced Search:

Inspec - 1898 to date (INZZ)

limit

Search history:

No.	Database	Search term	Info added since	Results	
1	INZZ	firing ADJ adj2 ADJ (capacitor OR pulse) AND restraint	unrestricted	0	-
2	INZZ	firing ADJ (capacitor OR pulse) AND restrain	unrestricted	0	-
3	INZZ	firing ADJ (capacitor OR pulse) AND (vehicle OR car OR automobile)	unrestricted	1	show titles

hide | delete all search steps... | delete individual search steps...

Enter your search term(s): Search tips ☐ Thesaurus mapping

whole document

Information added since: or: none
(YYYYMMDD)

search

☐ Documents with images

Select special search terms from the following list(s):

- Publication year 1950-
- Publication year 1898-1949
- Inspec thesaurus - browse headings A-G
- Inspec thesaurus - browse headings H-Q
- Inspec thesaurus - browse headings R-Z
- Inspec thesaurus - enter a term
- Classification codes A: Physics, 0-1
- Classification codes A: Physics, 2-3
- Classification codes A: Physics, 4-5
- Classification codes A: Physics, 6
- Classification codes A: Physics, 7
- Classification codes A: Physics, 8
- Classification codes A: Physics, 9
- Classification codes B: Electrical & Electronics, 0-5
- Classification codes B: Electrical & Electronics, 6-9
- Classification codes C: Computer & Control
- Classification codes D: Information Technology

- Classification codes E: Mech., Manufac. & Production Engineering
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- Language of publication
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Document

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☑ **document 1 of 1** Order Document

Inspec - 1898 to date (INZZ)

Accession number & update
0002857053 20051201.

Title
Microprocessor based ignition controller for the **automobile** industry.

Source
Computers in Industry, {Comput-Ind-Netherlands}, Dec. 1986, vol. 7, no. 6, p. 547-51, 0 refs, CODEN: CINUD4, ISSN: 0166-3615, Netherlands.

Author(s)
Mathialagan-A, Vijayaraghavan-P.

Author affiliation
Mathialagan, A., Vijayaraghavan, P., Madras Inst. of Technol., Anna Univ., India.

Abstract
This paper deals with the microprocessor based ignition control for an **automobile.** To get a better performance from an IC engine, accurate control of ignition timing is necessary. To effectively use the maximum pressure obtained in the engine, the **firing** instant is to be advanced before the Top Dead Centre. This method utilizes a single look-up table and a hardware counter for generating the **firing pulse.**

Descriptors
AUTOMOBILES; COMPUTERISED-CONTROL; ELECTRIC-IGNITION; INTERNAL-COMBUSTION-ENGINES; TABLE-LOOKUP.

Classification codes
B8520B Automobile-electronics*;
C3340B Control-of-heat-systems*;
C3340H Control-of-electric-power-systems;
C7420 Control-engineering-computing.

Keywords
IC-engine; ignition-timing; **firing-instant;** Top-Dead-Centre; look-up-table; hardware-counter; **firing-pulse.**

Treatment codes
P Practical.

Language
English.

Publication type
Journal-paper.

Publication year
1986.

Publication date
19861200.
Edition
1987010.
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